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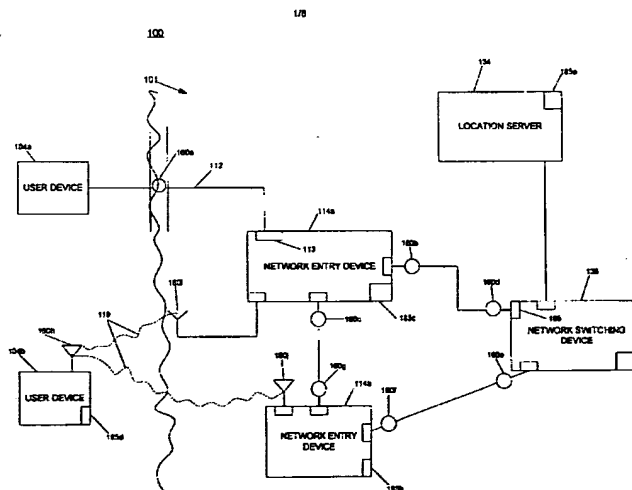
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[Continued on next page]

(54) Title: LOCATION AWARE DATA NETWORK



(57) Abstract: A system that associates physical locations with network-linked devices in a network to which such devices are connected. This system employs a variety of techniques for establishing device location. The system configuration can vary and can include any type of data network, including LANs, MANs, Wide Area Networks (WANs), Personal Area Networks (PANs), wireless networks (119) and Home Networks. The system provides location information for particular devices (104) to the network devices (114) and management, and may be used in any of a variety of ways to improve configuration accuracy, control, and security. The location information may also be used to control or secure a device itself.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 709/220,223,225,229; 713/201; 340/988,426.19; 701/213

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|---------------------------------------|
| X,P | US 2002/0138632 A1 (BADE et al) 26 September 2002 (26.09.2002), paragraphs 21-29. | 1, 73, 94, 127, 137, 150 |
| Y,P | | 2-72, 74-93, 95-126, 128-136, 138-149 |
| Y,P | US 6,523,064 B1 (AKATSU et al) 18 February 2003 (18.02.2003), column 15, lines 6-23; column 15 line 41 - column 16 line 57. | 1-150 |
| Y | US 6,167,513 A (INOUE et al) 26 December 2000 (26.12.2000), whole document, especially column 23, lines 8-25; column 24, lines 47-67; column 15, lines 24-41; column 16, lines 24-50. | 1-72, 88-94, 138-150 |
| A | US 6,115,754 A (LANDGREN) 05 September 2000 (05.09.2000). | |
| A,P | US 6,460,084 B1 (VAN HORNE et al) 01 October 2002 (01.10.2002). | 1-48, 73-87, 127-137 |
| A | US 6,012,088 A (LI et al) 04 January 2000 (04.01.2000). | 1-48,73-87,127-137 |



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INTERNATIONAL SEARCH REPORT

PCT/US03/06169

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y | US 6,151,631 A (ANSELL et al) 21 November 2000 (21.11.2000), columns 7-11. | 1-150 |
| Y,P | US 2002/0188842 A1 (WILLEBY) 12 December 2002 (12.12.2002), paragraphs 20-28. | 1-150 |
| Y,P | US 2003/0035544 A1 (HERLE et al) 20 February 2003 (20.02.2003) paragraphs 44-50. | 1-48, 88-94, 138-150 |

INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

ACM

search terms: network and access and (control or manag or autoriz) and (gps) and topology and location